## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE             |
|---------------------------|----------|--------|------------------|
| FEE DETERMINATION         | 11:700   |        | <u>ve_S in G</u> |
| O.I.P.E. CLASSIFIER       | - /      | 41     | 127              |
| FORMALITY REVIEW          | <u> </u> |        | <u> </u>         |
| RESPONSE FORMALITY REVIEW |          |        |                  |

## INDEX OF CLAIMS

| J | Rejected                   | N      | Non-elected  |
|---|----------------------------|--------|--------------|
| = | Allowed                    | l<br>A | Interference |
| _ | (Through numeral) Canceled | 0      | Objected     |

|          | Cla      | im       | Date     |               |                |        |          |          |   |          |   |          |        |   |   |   |    |   |
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|          | Final    | Original | 1        | Saddi         |                |        |          |          |   |          |   |          |        |   |   |   |    |   |
|          | <u>"</u> | 1        | 17       | 7             | +              | 7      | _        | t        | _ | t        | ٦ | Г        | T      | 1 |   | I | 1  |   |
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|          | Γ        | 3        | V        | /             | Ī              |        |          | Ι        |   | Ľ        |   | L        |        | _ |   | ļ | 4  |   |
|          |          | 4        |          | 1             | 1              | $\Box$ | L        | 4        |   | Ļ        | _ | L        | 4      | 4 |   | ╀ | ┥  |   |
|          | L        | 5        |          | 4             | 1              | _      | L        | 4        |   | ╀        | _ | Ł        | +      | ᅱ | - | ╁ | ┥  |   |
|          | L        | 6<br>  7 |          | 1             | 7              | 4      | ┝        | ╁        | - | ╁        | _ | H        | ╁      | - | - | t | ┪  |   |
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| <b>7</b> |          | 12       |          | <u> </u>      | 4              | _      | L        | 1        |   | 1        | _ | ļ        | 4      |   | L | 4 | 4  |   |
|          |          | 1        | ··       | 4             | 4              | _      | Ļ        | 4        | _ | 4        | _ | ╀        | 4      | _ | H | + |    |   |
|          | L        | V        |          | 4             | 4              | _      | ╀        | 4        | _ | +        | _ | ╁        | -1     | _ | ╁ | + | -  |   |
|          | -        | 11       | _        | <u> </u>      | H              | _      | ╀        | -        | _ | +        | - | +        | ┪      | _ | t | + | -  |   |
|          | ┝        | 1        | _1_      | H             | Ή              | -      | ╁        | ┨        | _ | +        |   | t        | -      | _ | t | + | _  |   |
|          | $\vdash$ | _        | 8 ,      | 7             |                | -      | †        | ٦        |   | 1        | _ | t        | ٦      |   | T | 1 |    | l |
|          |          |          | 9 /      | 7             | 7              | Γ      | Ť        |          |   | 1        |   | 1        |        |   | Ι |   |    |   |
|          | ۲        | 2        | ᅨ        | 7,            | $\overline{Z}$ | Γ      | T        |          | Г | 1        |   | Ţ        |        |   |   |   |    | ] |
|          | r        | 72       | 1,       | 7             | Z              |        | Ţ        |          | L |          |   | 1        |        |   | ļ |   |    | l |
|          | -[       |          | 2,       | <u> </u>      | /              | L      | Ţ        |          | Ŀ |          | L | 4        |        | L | 4 | 4 |    | ł |
| <u> </u> |          |          | 3,       | 4             | <u>/</u>       | ļ.     | 4        | <u>.</u> | L | _        | L | 4        | -      | ŀ | 4 | - | ┝  | ŀ |
|          | - -      |          | 4 .      | 4             | Ş              | -      | +        | _        | ┞ | _        | ┝ | 4        |        | - | + | - | ┝  | ł |
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| •        | +        |          | 7        | 4             | _              | t      | 7        | _        | t | _        | t | 7        |        | T | 7 | _ |    | 1 |
|          |          |          | 28       | 7             |                | t      | 1        | _        | t | _        | T |          |        |   |   |   |    | ] |
|          | Ī        |          | 29       |               | _              | Ī      |          |          | I | _        | L | 1        |        | L |   | _ | L  | ļ |
|          |          |          | 30       | $\Box$        |                | I      | $\Box$   | _        | Ţ |          | ļ |          | L      | Ļ | 4 | _ | ┞- | 4 |
|          | ļ        | _        | 31       | _             | _              | 1      | 4        | -        | 4 |          | + | _        | -      | + | 4 | _ | ╀  | ┥ |
|          | -        |          | 32<br>33 | _             | _              | ╀      | 4        | H        | + | _        | ł |          | ├      | ╁ | 4 | _ | t  | ┨ |
|          | $\perp$  |          | 34       |               | H              | +      | -        | ┝        | + | -        | ╁ | -        | ┝      | t | - | ┢ | t  | ┪ |
|          | ŀ        |          | 35       | -             | H              | +      | -        | H        | † |          | † |          | T      | † |   | Г | T  | ] |
|          | Ì        |          | 36       | _ ~           | -              | †      | _        |          | 1 | _        | 1 |          | Γ      | I | _ |   | I  |   |
|          |          |          | 37       |               |                | 4      | _        |          | _ |          | I | _        | L      | ] |   | L | 1  | 4 |
|          |          |          | 38       |               | L              | 1      | _        | L        | 4 | _        | 4 | _        | Ļ      | 4 | _ | Ļ | +  | 4 |
|          |          |          | 39<br>43 | <u>!</u>      | L              | 4      | _        | 1        | 4 | _        | 4 | _        | ╀      | 4 | _ | + | +  | - |
|          |          | -3       |          | $\vdash$      | 1              | 4      | _        | ╀        | 4 | _        | 4 | _        | ╀      | + | _ | ╀ | +  | 4 |
|          |          | -        | 41       | -             | $\vdash$       | 4      | _        | ╀        | 4 | $\vdash$ | - |          | +      | + | - | ╀ | +  |   |
|          |          | -        | 43       | ┞             | ╀              | +      |          | ╀        | - | ┝        | ┥ | _        | +      | + | _ | † | +  | _ |
|          |          | $\vdash$ | 44       | +             | t              | +      |          | +        | - | -        | ┥ |          | †      | + |   | t | †  |   |
|          |          | ┢        | 45       | _             | t              | 7      | _        | †        | _ | H        | 7 | Т        | †      | 1 | _ | İ | 1  |   |
|          |          | $\vdash$ | 48       | _             | T              | _      |          | I        |   |          |   |          | I      |   |   | I | I  |   |
|          |          |          | 47       |               | I              |        |          | Ι        |   |          |   |          | Ţ      |   |   | 1 | 4  | _ |
|          |          |          | 48       |               | Ţ              |        | _        | 1        | _ | L        | _ | L        | 4      | 4 | L | + | 4  | _ |
|          |          | L        | 49       | _             | 4              | _      | $\vdash$ | +        | _ | ╀        | _ | $\vdash$ | +      | - | H | + | +  | _ |
|          |          |          | 450      |               | - 1            | - 1    |          |          |   |          |   | •        | - 1    |   |   | • | •  |   |

| Jla   | lm       |          | _        | _ | _         | _        | _ | Di | H | • | _ | _ | <b>-</b> | _  | _  | _ | - | 4  |
|-------|----------|----------|----------|---|-----------|----------|---|----|---|---|---|---|----------|----|----|---|---|----|
| Final | Original |          |          |   |           |          |   |    |   |   |   |   |          |    |    |   |   |    |
| Œ.    | 51       | Н        | _        | ╁ | 4         | H        | ┨ | _  | ┪ |   | + |   | 4        | _  | t  | - | H | ٦  |
| -     | 52       | Н        | -        | t | -         | H        | ┪ | _  | 1 |   | 1 |   | 1        | _  | t  |   | r | ٦  |
| _     | 53       | Н        |          | t | _         | ۲        |   | -  | 1 |   | 1 | Г | 7        | Г  | t  | _ | Ī | ٦  |
| _     | 54       | ┝        | -        | t | _         | t        | - | r  | 1 | _ |   | r |          | Γ  | †  |   | T | ╛  |
| _     | 55       | Т        | Г        | † | _         | t        |   | Г  | 7 |   |   | Г |          | L  | I  |   |   |    |
| _     | 56       | Г        | T        | 1 |           | Ţ        |   |    |   |   |   | L |          | L  |    |   | L |    |
|       | 57       |          |          | I | _         | I        |   | L  |   | L |   | L | _        | L  | 4  | _ | ╀ | _  |
|       | 58       |          | L        | 1 |           | ļ        |   | L  | _ | L | _ | L | _        | Ļ. | 4  | _ | ł |    |
|       | 59       | _        | L        | 4 | _         | 1        |   | L  | _ | Ļ | _ | ╀ | _        | Ļ  | 4  | _ | ł | _  |
| _     | 60       |          | 1        | 4 | _         | 1        | _ | Ļ  | _ | Ļ |   | ╀ | _        | ╀  | 4  | _ | ╁ | _  |
| _     | 81       |          | ╀        | 4 | _         | +        | _ | ŀ  | _ | ╀ | _ | ╀ | _        | ┝  | -  | - | t |    |
| _     | 62       |          | ╀        | 4 | _         | +        | _ | ╀  |   | ╀ | _ | + | -        | t  | +  | - | t |    |
| _     | 64       |          | ╁        | - | _         | +        |   | t  | - | t | _ | + | _        | t  |    | H | † | -  |
| _     | 65       |          | ╁        | 4 | -         | +        | _ | t  | _ | t | _ | t | _        | t  |    | T | † | _  |
| -     | 66       | -        | ╁        | - | -         | †        | _ | t  | _ | t | _ | t | _        | t  | T  | Τ | 1 |    |
| ۲     | 67       |          | †        | 7 | ۲         | 1        | _ | t  |   | t |   | 1 |          | T  |    |   | 1 |    |
| ┝     | 68       |          | †        |   | r         | T        |   | 1  |   | Ť |   | 1 |          | Ţ  | _  | I |   |    |
| ۲     | 69       | 1        | 1        |   | Γ         |          |   | 1  |   | I |   | ] |          |    |    | L |   | _  |
| ۲     | 77       |          | 1        |   | Γ         |          |   | 1  |   | T |   | 1 |          | Ţ  |    | L |   |    |
| r     | 17       | 1        | 7        | _ | T         |          |   | 1  |   | 1 | _ |   | _        | ]  |    |   |   |    |
| r     | . 7      | 2        |          | _ |           |          | Ш |    |   | I |   |   | _        | _  | _  | ļ |   |    |
| Ľ     | 7        | 3        | Ξ        |   | L         |          | L |    |   | 4 | _ | ╛ | _        | 4  | _  | ļ |   | L  |
| Γ     | _        | 4        | 1        | _ | L         | _        | L |    | _ | 4 | - | _ | L        | 4  | _  | + | _ | -  |
| L     | _        | 5        | 4        | _ | Ļ         | _        | L | 4  | _ | _ | L | _ | L        | 4  | _  | ╀ | _ | ┝  |
| L     | _        | 6        | 4        |   | ļ         |          | ┞ | 4  | L | _ | ⊢ | _ | ┞        | 4  |    | ╁ | _ | ┞  |
| ŀ     |          | 7        | -        |   | +         | _        | ╀ | _  | H | _ | ┞ | - | ┝        | 4  | _  | + | _ | ╁  |
| ŀ     |          | 8        | -        | _ | ŧ         | _        | ╁ | _  | H | _ | ۲ | _ | H        | -  | ۲  | + | - | t  |
| ŀ     |          | 30       | -        |   | t         |          | ╁ |    | H | - | t |   | t        | _  | r  | 1 | _ | t  |
| ŀ     |          | 81       |          |   | t         |          | t | _  | t | _ | t | _ | t        |    | ┢  | 1 |   | T  |
| ł     |          | 82       |          |   | t         |          | t | _  | t | _ | t | _ | T        |    | Γ  |   |   | Ţ  |
| ł     |          | 33       |          | Г | 1         |          | T |    | T |   | Ī | _ | Ţ        |    | L  |   |   | I  |
| Ì     | ٦,       | B4       |          | Г | 7         | _        | T |    | Ι |   | I |   | Ţ        |    | L  |   | _ | 1  |
| Ì     | 7        | 85       |          |   | $\exists$ |          | I |    | I | _ | 1 |   | 1        | _  | L  |   | _ | 1  |
| ĺ     |          | 86       |          | L |           |          | 1 | _  | 1 | _ | 1 | _ | 1        | _  | ļ  | 4 | _ | +  |
| [     | _        | 87       |          | L | _         |          | 4 |    | 1 | _ | 1 |   | 4        | _  | ļ. | _ | H | 4  |
| ١     |          | 88       | _        | Ļ | 4         | <u> </u> | 4 | _  | 4 |   | 4 | _ | 4        | _  | ╀  | _ | H | +  |
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|       |          | 90       | _        | 1 | _         | L        | 4 | _  | 4 | _ | 4 | _ | 4        |    | ╀  | _ | ۲ | +  |
|       | Ц        | 91       | <u> </u> | ļ | _         | L        | 4 | _  | 4 | _ | 4 |   | 4        | _  | +  | _ | ╀ | -{ |
|       | Н        | 92       | -        | ╀ | _         | H        | 4 | _  | 4 | _ | 4 | - | 1        | _  | +  | _ | t | 1  |
|       | $\vdash$ | 93       | $\vdash$ | + | _         | H        | 4 | -  | - | _ | + | H | 1        | -  | †  | _ | t | 1  |
|       | -        | 94<br>95 | ┝        | + | -         | ŀ        | ۲ | ┝  | - | ۲ | - | H | ۲        | -  | 1  | _ | t | ٦  |
|       | -        | 96       | H        | † | _         | t        |   | ۲  | - | T | _ | T | ٦        | ۲  | 1  | _ | T |    |
|       | $\vdash$ | 97       | t        | † | _         | t        | _ | ٢  | _ | T | _ | Γ | _        |    | 1  | _ | I |    |
|       | H        | 98       | t        | † | _         | t        | _ | T  | _ |   | _ | Ι |          | I  |    |   | I |    |
|       | $\vdash$ | 99       | 1        | 1 |           | t        | _ | Ī  | _ |   |   | Γ |          | Ĺ  |    | _ | 1 | _  |
|       |          |          |          |   |           |          |   |    |   |   |   |   |          |    |    |   |   |    |

|            | Date     |          |          |        |     |    |   |   |   |   |          |    |          |        |    |            |
|------------|----------|----------|----------|--------|-----|----|---|---|---|---|----------|----|----------|--------|----|------------|
| Staim Date |          |          |          |        |     |    |   |   |   |   |          |    |          | 1      |    |            |
| Final      | Original |          |          |        |     |    |   |   |   |   |          |    |          | L      |    |            |
| _          | 101      |          |          |        | T   |    |   | Ι |   |   | I        |    |          | L      | 1  |            |
| _          | 102      |          |          |        | Ι   |    |   | Ι |   |   | L        | ┙  |          | L      | 1  |            |
| _          | 100      |          |          |        | T   |    | Γ | T |   |   | Ι        |    | _        | L      | 1  |            |
| _          | 104      |          |          |        | I   |    |   | Ι |   | L | I        |    | _        | L      | 4  |            |
|            | 100      | 5        |          |        | ]   |    | L | 1 | _ | L | 4        | 4  |          | L      | 4  |            |
|            | 10       | 8        |          |        | 1   | _  | L | 1 | _ | L | 1        |    | _        | ļ.     | 4  |            |
|            | 10       |          |          | L      | 1   | _  | L | 1 | _ | L | 4        | _  | _        | 4-     | 4  |            |
| _          | 10       |          | L        | L      | 1   | _  | Ŀ | 4 | _ | 1 | 4        |    | L        | ╀      | 4  |            |
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| _          | 11       | <u> </u> | ┞-       | ╀      | - ¦ | _  | ╀ | 4 | _ | ╁ | +        | _  | ┝        | ╁      | ┨  |            |
| _          | 11       |          | L        | ╀      | -   | _  | ╀ | + | _ | ╁ | +        |    | ┝        | +      | ┨  |            |
| _          | 11       |          | ⊦        | ╀      | -   | -  | ╀ | ┥ | _ | ╁ | +        | -  | ┝        | 十      | ┨  |            |
| _          | 11       | _        | ╀        | ÷      | 4   | _  | ╀ | ┪ | - | ╁ | ┪        | _  | +        | ╁      | ┨  |            |
|            | 111      |          | ╀        | ╁      | 4   | _  | ╁ | ┪ | _ | t | 1        |    | t        | +      | ┨  |            |
|            |          | 16       | ╀        | ╁      | 4   | _  | + | ٦ | _ | + | $\dashv$ |    | t        | +      | ᅥ  |            |
|            |          | 7        | +        | +      | -   | ۲  | † | - | Г | † | _        |    | T        | 1      | ↰  |            |
| -          |          | 18       | 十        | ┪      |     | H  | † |   | Γ | 1 |          |    | T        | T      |    |            |
| r          |          | 19       | †        | †      |     | r  | 1 | _ | Γ | 7 |          |    | Ţ        | I      |    |            |
| r          | _        | 20       | +        | †      | _   | Γ  | 1 |   | Γ | 1 | _        | Γ  | T        | 7      |    |            |
| H          |          | 21       | +        | +      | _   | ٢  | 1 | _ | T | 7 |          |    | T        | I      |    |            |
| r          |          | 22       | Ť        | +      | _   | T  | 1 | _ |   |   |          |    | T        | $\Box$ |    | ]          |
| r          | 1        | 23       | 1        | T      |     | T  | - |   | Ī |   |          | Ŀ  | 4        | $\Box$ | _  | ١.         |
| r          | ┪        | 24       | 1        | 7      |     | Ī  |   | Ξ | ŀ |   | _        | Ŀ  | _        |        |    | <b>j</b> - |
| ٢          | ┪        | 25       | 1        |        |     | Ι  |   | _ | L |   |          | L  | 1        | 4      | _  | Į          |
| r          | 7        | 26       |          | $\Box$ |     | Ι  |   |   | 1 |   | L.       | ļ. | 4        | _      | _  | 1          |
|            |          | 127      |          |        |     | 1  |   | _ | 1 | _ | L        | Ļ  | 4        | _      | L  | -          |
|            |          | 128      | _        | _      |     | 1  |   | _ | 1 |   |          | 4  | 4        | _      | -  | -          |
| L          | _        | 129      | 4        | _      |     | 4  | _ | _ | 4 | _ | -        | ╀  | -        | _      | -  | 1          |
| L          | _        | 130      | 4        | _      | _   | 4  |   | L | + | _ | ⊢        | ╀  | -1       |        | ⊦  | 1          |
| ŀ          |          | 131      | 4        | 4      | _   | +  | _ | ┝ | + | _ | ┝        | +  | ㅓ        | _      | ╁  | 1          |
| ŀ          | 4        | 132      | +        | _      | -   | +  | _ | ┝ | + | _ | ╁        | +  | -        | -      | ╁  | 1          |
| ł          | _        | 133      | $\dashv$ | _      | ┝   | ┥  | _ | ┝ | + |   | t        | ╅  |          | Н      | Ť  | 1          |
| ł          |          | 135      | ┪        |        | ┝   | +  | _ | ۲ | + | _ | ╁        | †  | _        |        | T  | ٦          |
| ł          | -        | 136      | ┪        | _      | H   | 7  | _ | t | 7 |   | 1        | †  |          |        | Τ  | 1          |
| ١          | _        | 137      | 7        |        | T   | 7  |   | T | 7 | _ | T        | 1  |          |        | L  | ]          |
| 1          | _        | 138      | 7        |        | T   | 7  | _ | T | ٦ |   | T        | Ţ  |          |        | L  | ╛          |
|            | _        | 139      |          |        | T   |    |   | Ι |   |   | L        |    | _        | L      | 1  | 4          |
| ļ          |          | 140      |          |        | Τ   |    |   | I |   | _ | L        |    | _        | L      | Ļ  | 4          |
|            | Г        | 141      |          |        | T   |    |   | Ţ |   |   | 1        |    | _        | L      | 1  | _          |
|            | Г        | 142      |          |        | Ι   |    |   | Ι |   | Ĺ |          | ┙  | _        | Ļ      | 1  | 4          |
|            |          | 143      |          | Ĺ      | I   |    | Ĺ | 1 | _ | L | 4        | 4  | _        | 1      | +  | 4          |
|            |          | 144      |          | Ĺ      | 1   |    | L | 1 | _ | L | 4        | 4  | _        | +      | +  | 4          |
|            | $\Box$   | 145      |          | L      | 1   | _  | L | 4 |   | 1 | +        | _  | -        | +      | +  | 4          |
|            | L        | 146      |          | L      | 4   | _  | L | 4 | _ | ╀ | +        | _  | $\vdash$ | +      | +  | 4          |
|            | 1        | 147      | -        | L      | -}  | _  | ╀ | 4 | _ | ╀ | +        |    | ┝        | +      | +  | _          |
|            | $\vdash$ | 148      |          | ╀      | 4   | _  | ╀ | + | - | ╁ | +        |    | -        | +      | +  |            |
|            | $\vdash$ | 149      | -        | ╁      | 4   | _  | ╁ | + |   | t | +        | -  | +        | †      | _† |            |
|            | 1        | 11.31    | ۹        | 1      | 1   | L. | _ | _ | _ | _ | _        | _  | -        | _      |    | -          |

If more than 150 claims or 10 actions staple additional sheet here